Unifier™

100

# URC-100

# Owner's Manual

THE POWER OF SIMPLE.™

*FINALLY, A REMOTE ANYONE CAN PROGRAM!*

UNIVERSAL® remote control

# Thank You!

*Thank you for purchasing the Unifier™ URC-100 Pre-Programmed and Learning Remote Control. The Quick Setup DVD tutorial supplied with the Unifier demonstrates the process of setting up and automating a home entertainment system. Watch the DVD first to familiarize yourself with the capabilities of the Unifier and the process of setup. This manual is designed to assist you step-by-step as you setup the Unifier to replace all of your remote controls and automate your home entertainment system.*

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# Getting Started

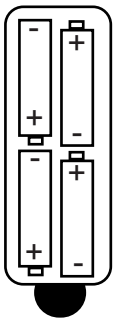
## Congratulations!

You've purchased one of the most advanced and easy to setup remote controls ever made. The Unifier's built-in library includes thousands of different brands and models of remote controls. In most systems, all you have to do to setup the Unifier is enter which brands and models you own. If you own a component too new to be in the library, the Unifier uses advanced DoubleTap™ learning technology to quickly set each Unifier button, one at a time. Setting up your Unifier to replace all your existing remote controls can be done in a few minutes. Basic Setup is described on pages 5 to 12.

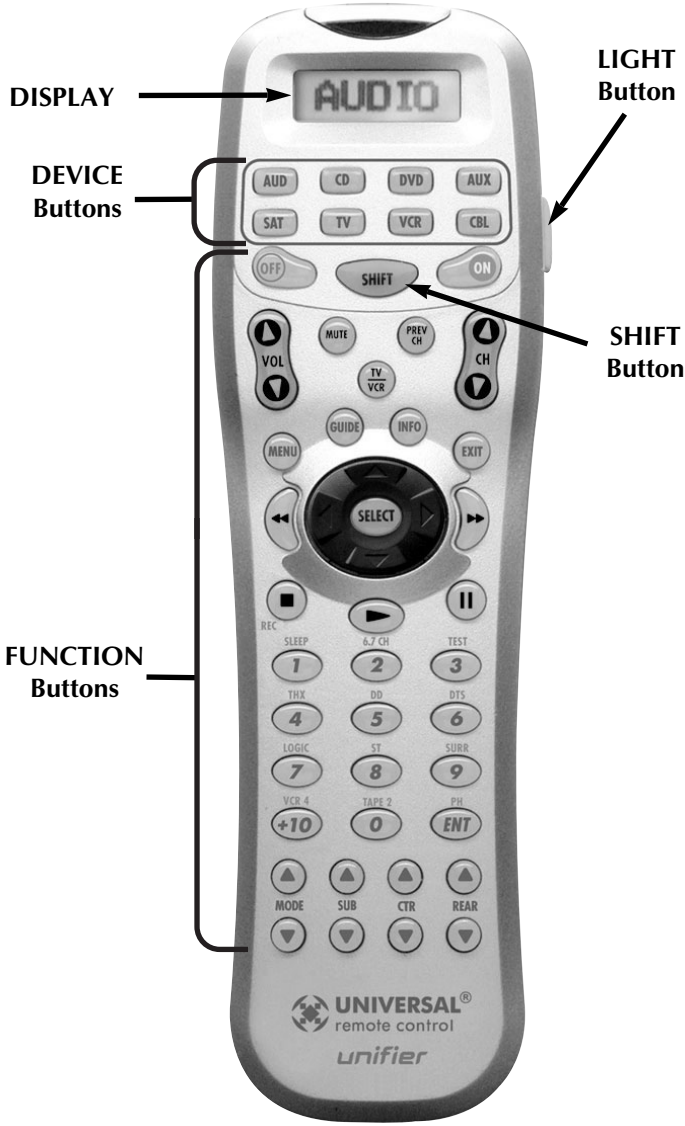
The Unifier's exciting advanced features automate and customize operation in many ways. You could use Macro Setup to power on all of your components and start the show with the press of one button! With the Unifier's unique macro capability you can automate the most complex home theater system. Any of the names on the display can be edited as you like. It is best to delay any Advanced Setup (described on pages 13 to 22) until after you finish Basic Setup.

## Battery Installation

Remove the battery compartment cover by pressing up the cover lock. Insert four AAA batteries into the battery compartment as shown in the diagram.



# Button Layout



## Selecting a New DEVICE Changes All Button Commands Instantly

The Unifier can operate eight different devices even though it is only one remote control. Let's try it now! Press the CABLE DEVICE button. The top of the screen changes to CABLE. Now all of the buttons of the Unifier operate a Cable box. To operate any of the other devices, simply press one of the eight device buttons.

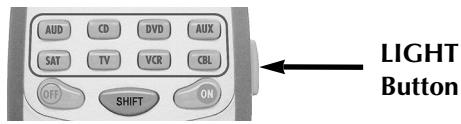
## The SHIFT Button

Press SHIFT to access a second command for each button. While the Unifier is in SHIFT mode, the display will blink. If you don't press a button within ten seconds, the Unifier will timeout and return to normal operation. The orange button labels indicate some of the commands available when you are in SHIFT mode.

**Note:** The AUDIO device has unique SHIFT functionality. It can issue input commands to your A/V Surround Sound receiver by pressing the DEVICE buttons after SHIFT is selected.

## Light Button

Press the LIGHT button to backlight all the buttons. To turn off the backlighting, press the LIGHT button again, or just wait ten seconds (the backlighting automatically shuts itself off).



# Basic Setup

You can start setting up your Unifier using either the Pre-Programmed Method or the Learning Method. However, all the buttons of the Unifier are setup at once with the Pre-Programmed Method, so it is usually faster than the one-button-at-a-time Learning Method.

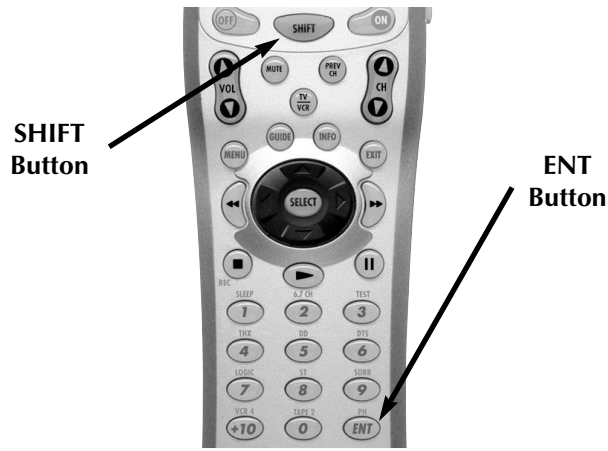
## Pre-Programmed Method

1. Power on the A/V component you wish to setup, so that you can test codes by sending power off commands.

2. Refer to the pre-programmed code tables on pages 25 - 46 and write down the code numbers listed for your A/V component. The code numbers are listed by categories of devices, then by brand. See page 25 for a category list.

3. Press and hold both the SHIFT and ENT (Enter) buttons for approximately three seconds. The top of the display will blink "SET" then one of the eight device names. You are in SETUP mode now.

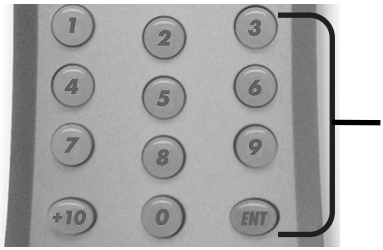
   **Note:** You have 30 seconds to perform a step while you are in SETUP mode. If you don't press a button within that time, the Unifier will time out and return to normal operation.



4 Choose the name of the device you'd like to setup. Use the cursor LEFT or RIGHT buttons to change the flashing name.

*For Example: I wanted to setup the TV Device button first, so I pressed the cursor LEFT or RIGHT until "TV" was flashing on the display.*

5 Point the Unifier at the component, then enter the first three digit code number from your notes using the numbered buttons. After you enter each three digit code number, look at the component to see if it turned off.




**Using the numbered buttons, enter the 3 digit code number.**

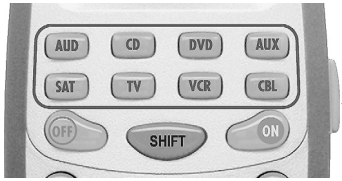
Continue to enter code numbers until the component powers off.

*For Example: I have a Sony TV. I found the code numbers 070, 139,147, 126, 185, 194 and 085 under Sony in the TV TABLE. Using the numbered buttons on the Unifier, I entered 070 and looked at the TV. It didn't turn off, so I entered 139, then 147 and so on, until I found the code that powered off the TV.*

**Note:** If your component fails to turn off after you have entered all the code numbers listed for your brand, you can scan through the other brands in the table by alternately pressing the Channel Up(or Down) and Power Off buttons (there is a chance that your component was actually manufactured by another brand). However, most of the code tables are so large that it is usually faster to use the Learning Method on Page 8.

**Channel Up and Down scan code numbers.**

6 When the component turns off, save the code number you entered by pressing the LIGHT button.




**LIGHT Button**

The Unifier responds by flashing SAVED on the display twice, then returns to normal operating mode.

7 When the display shows a device name, you are back in normal operating mode. Now it's time to test all the buttons. If some buttons don't work, try repeating steps 1-6 with the remaining code numbers, to see if you can improve the match to your component.

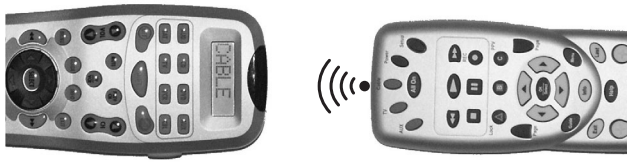
*For Example: My Sony TV powered off with TV code number 147. However the number buttons didn't work when I tested them. So, I repeated steps one to six, using other code numbers and eventually discovered that when code number 185 is set, all the buttons work perfectly.*

8 Repeat steps one through seven for each of your devices. In most systems, you can finish basic setup in just a few minutes and put all your old remote controls away.

## Learning Method

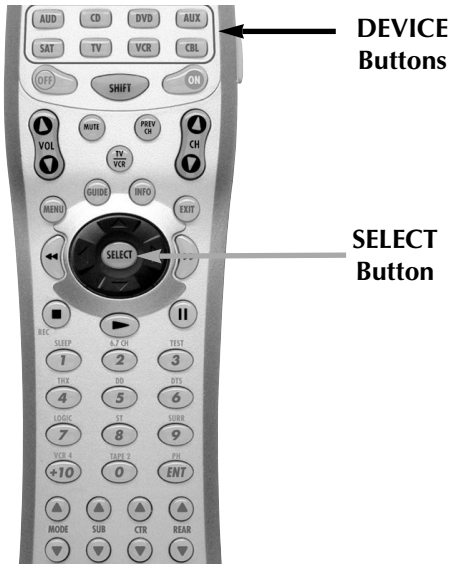
The Unifier can learn commands from your old remote controls one-button-at-a-time by following these simple steps:

1. Line-up the Unifier with your old remote control, head-to-head, one or two inches apart.




2. Press and hold both the desired DEVICE button and the SELECT button for approximately three seconds. The top of the display will show "LEARN". You are in LEARN mode now.

**Note:** You have 30 seconds to perform a step while you are in LEARN mode. If you don't press a button within that time, the Unifier will time out and return to normal operation.



3 Press any button you want to teach a command to.

**Press any Button.**

Once you press a button, the top of the display will change from “LEARN” to “READY”.

READY

**SHIFT Functions:** You can teach a second additional command to a button by pressing the SHIFT button, then pressing the button you want to teach. Additionally, using the SHIFT button, you may teach commands to the DEVICE buttons themselves (on AUDIO only). Select the AUDIO device in Step 2, press SHIFT and then the Device button you want to teach.

4 Press and hold the button on your old remote control until the display changes to “RETRY”.

RETRY

5 Press and hold the same button on your old remote control once again.

*The Unifier's unique DoubleTap learning technology ensures compatibility with the widest variety of remote controls ever!*

6 Once you have taught the button twice, the display will change to either "GOOD" or "FAILED".

If the "GOOD" label appears on top of the display and "SAVED" flashes on the bottom, you were successful. Now, press the next button you wish to teach (repeating steps 3 through 6 until you have learned all the buttons you want).

If the "FAILED" label appears on top of the display, try to teach the same button in Unifier once again by repeating steps 3-6.

7 Once you completed teaching all the buttons, save your work and return to normal operation by pressing the LIGHT button. Test all your new commands. If any of them don't work, try learning again using these notes:

*Move to another room. Plasma TVs, sunlight, halogen or quartz lighting can interfere with the learning process.*

*Although the old remote control seems to work fine, change the batteries to fresh alkaline batteries.*

*Vary the distance between the remote controls gradually. Try 1/4", 1", 2"and so on, up to 4 feet.*

*Tap the button on the original remote control instead of pressing and holding it during the learning process.*

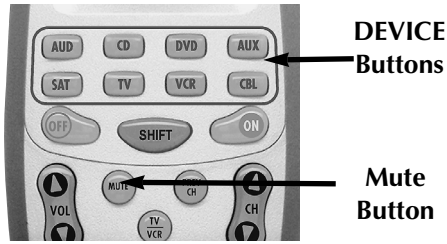
## Volume Control Punch Through

In most home entertainment systems, the sound volume is only controlled by one device. In some systems, it is the TV speakers that make the sound, so you would use the TV device on the Unifier to raise and lower the volume. In another system, it might be a surround sound receiver and speakers that control the sound, so you would use the Unifier's AUDIO device to adjust the volume. Constantly switching the Unifier to TV or AUDIO to adjust the volume is inconvenient in daily life.

You can use Punch Through to set the Unifier's volume buttons to always control the sound in your system. That way when the Unifier is set to VCR or DVD, the volume up, down and mute buttons will work perfectly without switching back to AUDIO or TV. Here's how:

1. Press and hold both the DEVICE button that doesn't have volume control commands yet and the MUTE button for about three seconds.

   *For Example: You want to make the DVD volume buttons control the sound. Press and hold DVD and MUTE.*




**Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.

2. The Unifier displays SET in the display.

3. Press the SHIFT button. The Unifier displays PUNCH in the display.

4. Press the Volume Up button. The display confirms by displaying "VOL". This sets up the group of three buttons (Volume Up, Volume Down and Mute) in one action!

5. Press the Device button for the device that has the Volume control commands you want (i.e.,TV for systems using the TV speakers, AUDIO for systems with surround sound receivers). The bottom of the display will flash "SAVED".

   The Unifier will flash the device's name twice and return to operating mode.

6. Repeat steps 1-5 until all your other devices (VCR, CABLE, CD, etc.) operate the volume perfectly.

**Note:** The Punch Through feature is not limited to volume and can also be applied to other groups of buttons. If you find yourself switching to a particular device frequently to use a group of controls, consider using Punch Through for another group, as listed here:

**VOL -** Volume Up, Volume Down and Mute
**CH UP-** Channel Up, Channel Down and Prev. Channel
**PLAY -** Play, Stop, Pause, Rewind and Fast Forward
**GUIDE -** Guide, Menu, Info, Exit, Up, Down, Left, Right, Sel
**POWER On -** Power On and Power Off

# Advanced Setup

After you've finished all your basic setup, you can choose to make operation easier by customizing the Unifier just the way you want, using the Advanced Setup features described in this section.

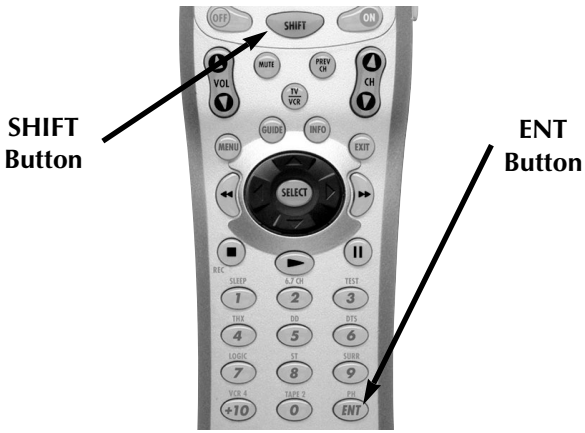
## Own Two VCR's? Set Aux to be VCR2

Any device button can be setup for ANY type of component (for example, you can make the AUX device button operate a second VCR). To setup a device button for a different type of component, use these steps:

1. Power on the A/V component you wish to setup, so that you can test codes by sending power off commands.

2. Refer to the pre-programmed code tables on pages 25 - 46 and write down the code numbers listed for your A/V component.

3. Press and hold both the SHIFT and ENT (Enter) buttons for approximately three seconds. The top of the display will blink "SET" for a moment.




**Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.

4 In this step you choose the name of the device you'd like to setup. Use the cursor LEFT or RIGHT buttons to change the flashing name.

*For Example: I want to setup AUX as my second VCR, so I press the cursor LEFT or RIGHT until AUX appears in the display.*

5 Press the MUTE button, then use the left and right buttons to select the type of component you plan to operate with this device button.

*For Example: I want to operate a VCR, so I press the cursor LEFT or RIGHT until VCR appears in the display.*

**Note:** Each name that appears in the display may include several types of components. For example, the SAT category includes Digital Video Recorders like those from TiVo and Replay. See page 25 for a list of component types each Code Table contains.

6 Point the Unifier at the component, then enter the first three digit code number from your notes using the numbered buttons. After you enter each three digit number, look at the component to see if it turned off. Continue to enter code numbers until the component powers off.

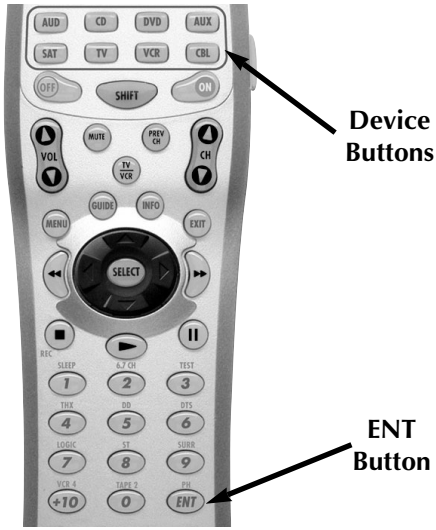
7 When the component powers off, save by pressing the LIGHT button. The Unifier responds by flashing SAVED on the display twice, then returns to normal operating mode.

## Editing Device Names

The Unifier can display your own custom names for each of the eight device buttons. For example, you can rename AUX to “LIGHTS” or SAT to “DISH”, etc.

1. Press and hold both the device button you want to rename and the ENT button for about three seconds.

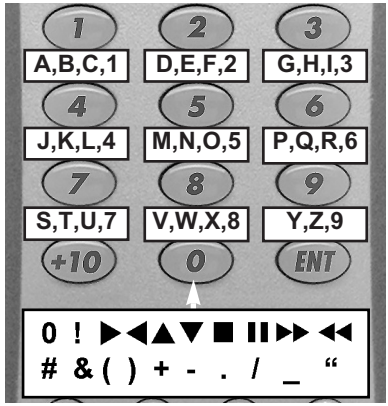
   **Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.




   The Unifier flashes EDIT in the display.

2. Then the old device name appears, with the first space/character blinking on and off:

3 Change the character by using any of the number keys. Each press of the same number button selects the next character of that number's group, as shown below.




4 Once the character you want appears, move to the next space by pressing the RIGHT cursor button.

**LEFT Cursor button moves blinking character left.**

**RIGHT Cursor button moves blinking character right.**

**DOWN Cursor button deletes the currently blinking character.**

5 Press the LIGHT button to save changes.

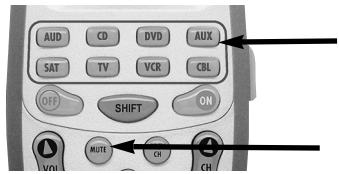
## Macro Button Setup

Imagine turning on your TV, your DVD player and your surround sound receiver by pressing a single button on your Unifier! What would normally take three remotes and three button pushes, the Unifier can accomplish with the press of one button. We call that a "Macro". Any of the Power On or the Power Off buttons (on any Device) and all eight of the Device buttons themselves can be set to be Macro buttons!

To setup a macro button, follow these easy steps:

1. Press and hold both the desired DEVICE button and the MUTE button for three seconds.

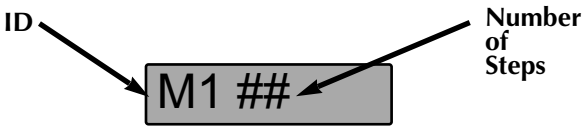
   *For Example: If you want to make the DVD Power On button a macro button, press and hold DVD and MUTE.*




   The Unifier displays SET in the display.

   **Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.

2. Press the button you want to be a macro. The Unifier screen changes to the macro step display:



3 Navigate to the device that has a button you want in your macro using the DEVICE buttons. Then press the button with the command you want. Whenever a button is pressed, another Macro step is counted and displayed on the screen.

*Don't worry about the number of steps. Each macro button can store up to 50 steps, so you are not likely to run out of steps!*

**Note:** You can program delays in between commands by pressing the PAUSE button. Each press adds half a second to the delay.

4 Press the LIGHT button to save your macro. The Unifier will flash SAVED twice in the display.

**Advanced Options:**
You can setup a DEVICE button to be a macro by pressing Audio and Mute for 3 seconds. Once the display says SET, press the Device button you wish to set as Macro button. Then follow steps 3 and 4 to setup the macro.

Another option for DEVICE button macros is to only send the macro if the button is pressed and held. This is setup by entering a delay as the first step of the macro. The amount of delay determines how long the user must press the button before the macro is sent. The advantage of this option is that a normal press of the DEVICE button will simply switch devices without issuing the macro.

## Overview of Erasing

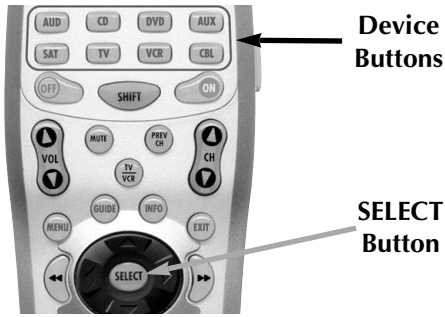
You can erase an individual button with a learned command, a macro or a favorite channel. You can erase an entire Device's learned command or macro buttons. You can also erase ALL your learned commands on all devices or all your macros or favorite channels everywhere.

If you really want a fresh start, it is possible to reset everything to the factory default condition.

## Erasing One Learned Command

1. Press and hold both the device button where the command is stored and the SELECT button for three seconds.

   **Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.




   The Unifier display changes to:

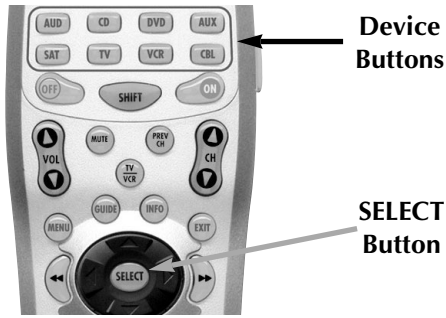
2. Press and hold the button you'd like to erase for two seconds. The display will flash ERASE, CLEAR, then return to LEARN.

3. Press the LIGHT button to save.

## Erasing All Learned Commands in One Device

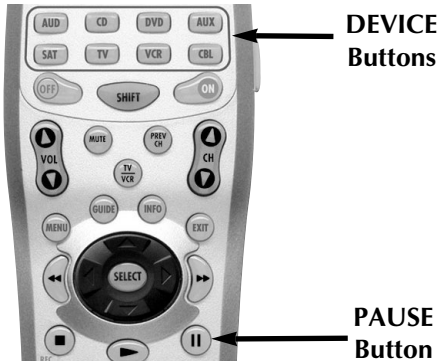
1. Press and hold both the Device button where the command is stored and the SELECT button for three seconds.

   **Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.



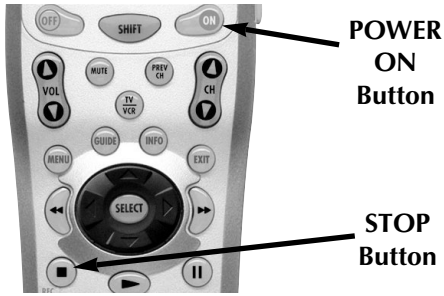

   The Unifier display changes to:

2. Press and hold both the DEVICE button you'd like to erase and the PAUSE button until the display flashes ERASE nine times, followed by CLEAR, then release the buttons and the Unifier returns to normal operating mode.



## Erasing All Learned Commands in ALL Devices

Press and hold both the POWER ON and the STOP button for ten seconds.

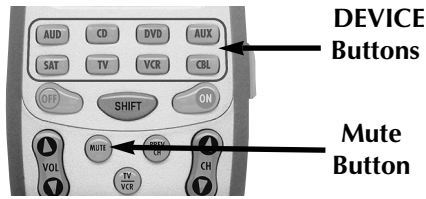



After the display flashes ERASE ten times you can release the buttons. The display will flash CLEAR and the Unifier will return to normal operating mode.

## Erasing a Macro

1. Press and hold both the DEVICE button and the MUTE button (to erase Device buttons, use AUDIO and MUTE). Release after SET appears on the display.

   **Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.

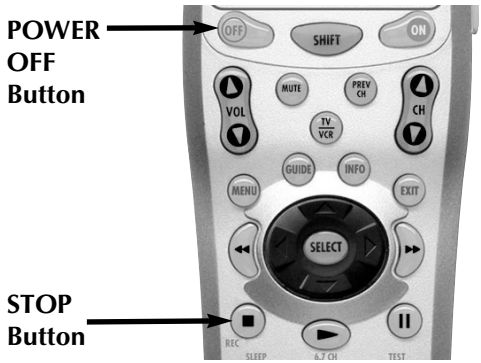



2. Press the macro button you want to erase. The display will flash “CLEAR” then “M ###”.

3. Press the LIGHT button to save.

## Erasing All Settings

Should you wish to make a clean start, you can reset the Unifier to its factory default settings by pressing and holding both the POWER OFF button and the STOP button for ten seconds. Continue to hold both buttons as the display flashes ERASE nine times, then CLEAR.




The Unifier displays a self testing routine for a few seconds, then returns to normal operating mode.

## Recalling Pre-Programmed Settings

If you wish to recall a previously programmed code number so that you can write it down, follow these steps:

1. Press and hold both the DEVICE button you want to identify and the MUTE button. Keep holding them down until the display says SET.

2. Press the INFO button.The Device Name will appear (blink twice) followed by the three digit number.

# The Optional Expander

You can use the Unifier as you would your other remote controls. It transmits very powerful line-of-sight output using infrared light commands (invisible to the naked eye). When you point the Unifier at the components, expect the range to be between 30 and 50 feet. When the remote is not pointed in the general direction of the components, the range will vary (depending on reflective surfaces, lighting, etc.).

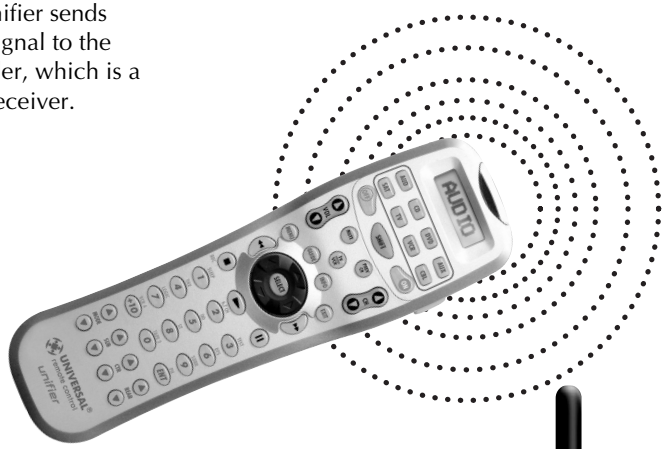
However, the Unifier also sends radio signals in every direction. By purchasing the optional Expander (a radio receiver), you can operate your equipment with the Unifier 50 to 100 feet away (through walls, doors, cabinets, inside or outside). Since the Expander picks up the Unifier's radio signals from any direction, regardless of distance, the Unifier *doesn't have to be pointed!*

Nothing has to be done to the Unifier for this feature to work. Every time you press a button on the Unifier, it sends both a standard infrared command AND a radio signal. If you install the Expander kit, the MRF-100 will receive the Unifier's radio signals and translate them into the infrared commands that control your components.

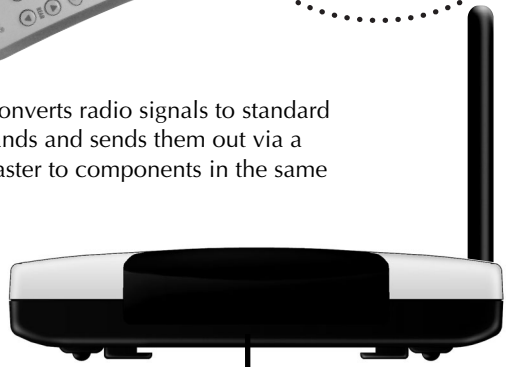
***Note:*** *The Unifier's radio signals will not control components directly. You must have an Expander to receive the Unifier's radio signals. Components that came with "no pointing" radio remote controls cannot be operated by the Unifier unless the component can be switched to standard infrared control via its internal menus. Some remote control ceiling fans are radio only and cannot be operated by the Unifier.*

# The Unifier

The Unifier sends radio signal to the Expander, which is a radio receiver.




The Expander converts radio signals to standard infrared commands and sends them out via a built-in front blaster to components in the same cabinet space.



Self-adhesive “flashers” (included in the Expander kit) affix to the front panels of your components. The flashers relay infrared commands to components out-of-sight of the MRF-100 front blaster. The flashers plug into the MRF-100 rear flasher line output jacks. Each flasher has a 10′ cable to easily reach components on nearby shelves.

# Pre-Programmed Code Tables

The Unifier's Pre-Programmed code library is classified by category (TV, VCR, AUX, etc.). Each category actually includes many types of components. For example, the SAT category includes satellite receivers and digital video recorders like TiVo and Replay.

Within each category, the code numbers are listed in rows by brand (Sony, Panasonic, B & K, etc.). Some brands have more than one three digit code for you to try. Just circle the correct row and refer to it while you setup (step-by-step instructions for using Pre-Programmed codes are found on page 5).


| | | |
|---|---|---|
| **TV** | TVs, Plasmas, Projectors and Monitors | Pages 38-42 |
| **CABLE** | Cable TV Tuner/Descrambler | Pages 45-47 |
| **DVD** | DVD Players and Laser Disc Players | Pages 32-34 |
| **VCR** | VCRs and TV/VCR Combo | Pages 42-45 |
| **AUDIO** | Amps, Preamps and A/V Receivers | Pages 26-29 |
| **SAT** | Satellite Receivers, TiVo, Replay and other DVR's | Pages 36-38 |
| **CD** | CD Players and Changers | Pages 29-31 |
| **AUX** | Tape Decks, Lighting Controls, Custom Installation Products | Pages 34-36 |


**NOTE:** Following each Code Table is a Command Locator. Use the Command Locator to locate the additional commands that are accessed via the SHIFT button.

## AUDIO - Amps, Preamps and Receivers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| ADC | 007 |
| ADCOM | 082 092 225 161 269 355 356 366 |
| AIWA | 170 018 104 202 203 213 211 188 |
| AKAI | 138 189 |
| AMC | 125 126 127 128 258 281 282 038 |
| AMEND | 054 |
| AMX | 196 |
| ANGSTROM | 142 |
| ANTHEM | 335 336 337 338 339 |
| ARCAM | 141 |
| ATLANTIC TECHNOLOGY | 342 |
| AUDIO ACCESS | 147 |
| AUDIO ALCHEMY | 135 |
| AUDIO DESIGN | 194 221 011 |
| AUDIO EASE | 021 196 207 |
| AUDIO FILE | 071 |
| AUDIO MATRIX | 167 |
| AUDIO SOURCE | 273 |
| AUDIO TECHNICA | 134 |
| B & K | 096 097 |
| BOSE | 070 170 224 347 |
| BRYSTON | 023 |
| CARVER | 006 028 061 071 201 214 226 180 185 022 029 077 284 |
| CASIO | 076 |
| CHIRO | 140 |
| CINEMA SOUND | 034 134 |
| CITATION | 148 272 |
| CLARION | 026 |
| COMPAQ | 382 |
| CURTIS MATHES | 076 |
| DENON | 002 034 109 215 229 230 027 037 234 259 330 340 341 349 350 |
| EIGER | 149 |
| ELAN | 057 290 |
| ENLIGHTENED AUDIO | 099 098 |
| ESCIENT | 368 |
| FANFARE | 352 |
| FISHER | 047 214 180 182 297 |
| FLEXTRONICS | 378 |
| FOSGATE | 062 231 |
| FOSGATE AUDIONICS | 342 |
| GE | 056 260 |
| GOLDSTAR | 008 |
| HAFLER | 174 |
| HARMAN KARDON | 231 233 254 153 154 118 121 227 277 317 318 365 |
| HITACHI | 020 |
| IMERGE | 371 |
| INKEL | 197 |
| INTEGRA | 354 |
| JBL | 263 |
| JCPENNEY | 076 216 |
| JEFF ROWLAND | 206 |
| JENSEN | 058 |
| JVC | 240 163 191 114 266 279 291 |
| KENWOOD | 005 026 066 145 146 151 180 181 182 190 192 197 199 222 280 |
| KINERGETICS | 220 140 |
| KLH | 331 |

## AUDIO (continued) - Amps, Preamps and Receivers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| KOSS | 216 |
| KRELL | 150 072 376 |
| KYOCERA | 007 |
| LEXICON | 120 235 236 237 357 358 359 360 361 362 363 364 |
| LINN | 124 377 |
| LUXMAN | 137 139 052 165 115 004 009 |
| LXI | 076 056 |
| MAGNAVOX | 086 164 152 208 |
| MARANTZ | 006 028 031 040 063 185 186 251 265 119 289 296 |
| MCINTOSH | 238 286 |
| MCS | 076 |
| MERIDIAN | 100 012 013 |
| MITSUBISHI | 242 243 204 |
| MONDIAL | 157 158 042 043 081 112 |
| MYRYAD | 276 293 |
| NAD | 186 113 283 |
| NAKAMICHI | 111 244 245 172 183 287 |
| NEC | 176 |
| NIRO | 343 |
| ONKYO | 017 046 064 107 108 187 079 080 090 179 209 270 275 |
| OPTIMUS | 026 041 138 |
| OUTLAW | 342 |
| PANASONIC | 032 195 219 177 292 |
| PARASOUND | 129 130 132 261 294 295 333 334 |
| PHAST | 196 |
| PHILIPS | 249 250 251 063 119 |
| PIONEER | 014 033 039 044 045 050 069 159 168 116 035 078 198 |
| POLKAUDIO | 029 |
| PROCEED | 144 268 |
| RCA | 010 048 117 156 067 288 |
| REALISTIC | 019 056 073 075 095 |
| REQUEST | 351 |
| REVOX | 162 |
| ROTEL | 074 083 085 |
| SAMSUNG | 016 |
| SANSUI | 040 048 110 119 065 228 |
| SANYO | 047 059 |
| SCOTT | 019 091 |
| SEARS | 076 |
| SHARP | 026 094 131 175 181 |
| SHERWOOD | 024 038 055 102 103 105 106 051 030 |
| SONY | 018 093 223 247 248 160 166 015 101 184 218 271 353 369 372 |
| SOUNDESIGN | 036 |
| SOUNDMATTERS | 375 |
| SOUNDSTREAM | 084 088 |
| SSI | 068 |
| SUMO | 171 |
| SUNFIRE | 344 345 346 |
| TAEKWANG | 138 |
| TEAC | 005 019 049 111 212 217 |
| TECHNICS | 122 176 193 219 178 177 200 257 262 |
| THETA DIGITAL | 136 |
| TOSHIBA | 060 087 198 278 |
| WARDS | 180 |
| YAMAHA | 026 253 169 067 173 205 264 232 089 264 274 285 332 373 |
| ZENITH | 143 210 |

## AUDIO COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| Vol+ | VOL+ |
| Vol- | VOL- |
| Mute | MUTE |
| Preset+ | CH+ |
| Preset- | CH- |
| SCAN | PREV CH |
| BAND,FM/AM | T/V |
| MODE | MENU |
| DISPLAY | GUIDE |
| OSD | INFO |
| CLEAR | EXIT |
| UP | UP |
| DOWN | DOWN |
| SELECT | SELECT |
| LEFT | LEFT |
| RIGHT | RIGHT |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| Enter | ENTER / PH |
| Mode+ | MODE+ |
| Sub+ | SUB+ |
| Center+ | CENTER+ |
| Rear+ | REAR+ |
| Mode- | MODE- |
| Sub- | SUB- |
| Center- | CENTER- |
| Rear- | REAR- |
| TUNER Input | Press SHIFT first, then press AUD button. |
| CD Input | Press SHIFT first, then press CD button. |
| DVD Input | Press SHIFT first, then press DVD button. |
| AUX Input | Press SHIFT first, then press AUX button. |
| Video 3 Input | Press SHIFT first, then press SAT button. |
| Video 2 Input | Press SHIFT first, then press TV button. |
| Video 1 Input | Press SHIFT first, then press VCR button. |
| TAPE Input | Press SHIFT first, then press CBL button. |
| HALL | Press SHIFT first, then press MENU button. |
| THEATER | Press SHIFT first, then press GUIDE button. |
| CATHEDRAL | Press SHIFT first, then press INFO button. |
| PARTY | Press SHIFT first, then press EXIT button. |
| NIGHT CLUB | Press SHIFT first, then press UP button. |
| CHURCH | Press SHIFT first, then press DOWN button. |
| JAZZ | Press SHIFT first, then press SELECT button. |
| DISCO | Press SHIFT first, then press LEFT button. |
| OPERA/ARENA | Press SHIFT first, then press RIGHT button. |
| SLEEP | Press SHIFT first, then press 1/SLEEP button. |

## AUDIO COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| 5/6/7 CH | Press SHIFT first, then press 2/6.7CH button. |
| TEST | Press SHIFT first, then press 3/TEST button. |
| THX | Press SHIFT first, then press 4/THX button. |
| DOLBY DIGITAL | Press SHIFT first, then press 5/DD button. |
| DTS | Press SHIFT first, then press 6/DTS button. |
| LOGIC 7 | Press SHIFT first, then press 7/LOGIC button. |
| STEREO | Press SHIFT first, then press 8/ST button. |
| SURR | Press SHIFT first, then press 9/SURR button. |
| TAPE2 Input | Press SHIFT first, then press 0/TAPE2 button. |
| Video 4 Input | Press SHIFT first, then press +10/VCR4 button. |
| PHONO Input | Press SHIFT first, then press ENT/PH button. |
| BASS+ | Press SHIFT first, then press MODE+ button. |
| TREBLE+ | Press SHIFT first, then press SUB+ button. |
| SURR+ | Press SHIFT first, then press CENTER+ button. |
| DELAY+ | Press SHIFT first, then press REAR+ button. |
| BASS- | Press SHIFT first, then press MODE- button. |
| TREBLE- | Press SHIFT first, then press SUB- button. |
| SURR- | Press SHIFT first, then press CENTER- button. |
| DELAY- | Press SHIFT first, then press REAR- button. |

## CD - CD Players and Changers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| ADCOM | 062 042 |
| AIWA | 059 065 088 089 105 122 170 187 |
| AKAI | 085 195 202 |
| AMC | 231 232 |
| AMEND | 118 |
| ARCAM | 238 |
| AUDIO ACCESS | 119 147 |
| AUDIO EASE | 165 |
| AUDIO TECHNICA | 046 |
| BSR | 037 057 |
| CALIFORNIA AUDIO | 103 008 |
| CAPETRONIC | 063 |
| CARRERA | 057 080 |
| CARVER | 185 041 044 050 086 107 130 134 135 138 139 203 204 167 |
| CASIO | 111 182 |
| CLARINETTE | 182 |
| CREEK | 159 |
| CROWN | 035 |
| DENON | 002 123 |
| EMERSON | 042 069 102 |
| FISHER | 050 185 134 008 |
| FRABA | 111 |
| GENEXXA | 010 069 102 |
| GOLDSTAR | 080 |
| HAITAI | 093 |
| HARMAN KARDON | 018 033 047 208 |
| HITACHI | 042 175 |
| INKEL | 130 143 144 |
| JCPENNEY | 014 061 092 141 |
| JENSEN | 158 |

## CD (continued) - CD Players and Changers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| JVC | 004 022 136 163 213 214 242 243 |
| KENWOOD | 185 007 023 055 071 072 142 137 254 |
| KOSS | 061 |
| KRELL | 241 |
| KYOCERA | 005 |
| LOTTE | 102 |
| LUXMAN | 011 028 070 076 249 252 |
| LXI | 059 |
| MAGNAVOX | 044 107 |
| MARANTZ | 027 041 044 051 077 107 209 246 |
| MCINTOSH | 212 247 |
| MCS | 014 073 092 |
| MEMOREX | 010 |
| MISSION | 044 107 |
| MITSUBISHI | 179 |
| MITSUMI | 153 |
| MODULAIRE | 182 |
| MONDIAL | 147 |
| MYRYAD | 244 155 |
| NAD | 006 005 067 178 |
| NAKAMICHI | 217 218 219 095 |
| NEC | 014 062 |
| NIKKO | 046 |
| NSM | 044 107 |
| ONKYO | 030 038 039 168 169 |
| OPTIMUS | 010 050 057 058 081 082 083 085 093 195 |
| PANASONIC | 103 201 172 008 068 248 |
| PARASOUND | 233 240 |
| PHILIPS | 041 044 107 246 253 |
| PIONEER | 010 020 025 056 174 175 176 |
| PROCEED | 239 |
| PROTON | 044 107 228 |
| QUASAR | 103 008 |
| RADIO SHACK | 182 |
| RCA | 017 042 150 |
| REALISTIC | 042 050 051 102 181 182 187 |
| ROTEL | 044 107 161 178 250 |
| SAE | 044 107 |
| SANSUI | 044 069 107 128 171 190 125 |
| SANYO | 050 |
| SCOTT | 069 102 |
| SHARP | 026 031 051 066 |
| SHERWOOD | 003 019 051 096 112 115 119 166 |
| SIGNATURE | 033 |
| SONY | 048 081 097 126 133 177 225 226 164 |
| SOUNDESIGN | 251 |
| SUMO | 155 |
| SYLVANIA | 044 107 |
| SYMPHONIC | 052 181 |
| TAEKWANG | 195 085 |
| TANDY | 010 |
| TEAC | 015 034 036 051 052 101 131 140 079 |
| TECHNICS | 060 103 200 172 184 008 068 |
| TECHWOOD | 076 |
| THETA DIGITAL | 234 235 |
| TOSHIBA | 006 067 091 160 148 |

## CD (continued) - CD Players and Changers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| VECTOR RESEARCH | 080 |
| VICTOR | 004 022 114 124 |
| WARDS | 185 033 |
| YAMAHA | 024 046 054 186 183 245 |
| YORX | 182 |

## CD COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| Track+ | CH+ |
| Track- | CH- |
| EJECT | PREV CH |
| RANDOM | T/V |
| EDIT | MENU |
| PROGRAM | GUIDE |
| DISPLAY | INFO |
| CLEAR | EXIT |
| UP | UP |
| DOWN | DOWN |
| SELECT | SELECT |
| LEFT | LEFT |
| RIGHT | RIGHT |
| Scan- / REW | REW |
| Scan+ / FF | FF |
| Stop | STOP/REC |
| Play | PLAY |
| Pause | PAUSE |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| Enter | ENTER / PH |
| DISC1 | MODE+ |
| DISC2 | SUB+ |
| DISC3 | CENTER+ |
| DISK SKIP+ | REAR+ |
| DISC4 | MODE- |
| DISC5 | SUB- |
| DISC6 | CENTER- |
| DISK SKIP- | REAR- |
| REPEAT | Press SHIFT first, then press 1/SLEEP button. |
| INTRO | Press SHIFT first, then press 2/6.7CH button. |
| DISC | Press SHIFT first, then press 3/TEST button. |
| TIME | Press SHIFT first, then press 4/THX button. |
| | |
| | |

## DVD - DVD Players and Changers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| AIWA | 146 |
| ALPINE | 098 |
| APEX DIGITAL | 087 111 115 |
| DENON | 007 080 |
| FUNAI | 143 |
| GE | 026 027 |
| GOVIDEO | 137 |
| HARMAN KARDON | 084 140 |
| HITACHI | 101 |
| INTEGRA | 142 |
| JVC | 012 |
| KENWOOD | 151 |
| KLH | 135 |
| KRELL | 104 |
| LEXICON | 148 |
| LG | 091 057 074 |
| MAGNAVOX | 066 096 |
| MARANTZ | 083 095 |
| MERIDIAN | 153 |
| MITSUBISHI | 017 |
| MYRYAD | 102 134 |
| NAD | 088 |
| NAKAMICHI | 103 |
| ONKYO | 076 035 |
| PANASONIC | 021 042 138 139 144 150 |
| PHILIPS | 066 083 095 105 |
| PIONEER | 023 092 099 107 108 131 |
| PROCEED | 086 |
| PROSCAN | 026 027 |
| RCA | 026 027 |
| SAMSUNG | 056 070 119 |
| SANSUI | 154 |
| SANYO | 147 |
| SHARP | 094 |
| SONY | 033 118 145 |
| SYLVANIA | 143 |
| SYMPHONIC | 143 |
| TATUNG | 102 |
| THOMPSON | 026 027 |
| TOSHIBA | 035 034 130 141 |
| VENTURER | 149 |
| YAMAHA | 042 089 |
| ZENITH | 057 074 091 |

## DVD (continued) - Laser Disc Players

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| DENON | 206 207 |
| FUNAI | 120 |
| KENWOOD | 152 013 |
| MAGNAVOX | 032 121 |
| MARANTZ | 211 |
| MITSUBISHI | 121 |
| NAD | 121 |

## DVD (continued) - Laser Disc Players

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| OPTIMUS | 049 013 |
| PANASONIC | 113 |
| PHILIPS | 032 |
| PIONEER | 106 117 121 |
| RADIO SHACK | 120 |
| RCA | 002 |
| REALISTIC | 049 |
| RUNCO | 127 |
| SANYO | 075 |
| SHARP | 152 013 |
| SONY | 053 110 |
| TECHNICS | 113 |
| THETA DIGITAL | 032 |
| TOSHIBA | 152 106 |
| YAMAHA | 043 129 |

## DVD COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| Skip+ | CH+ |
| Skip- | CH- |
| EJECT | PREV CH |
| MENU | MENU |
| PROGRAM | GUIDE |
| DISPLAY | INFO |
| CLEAR | EXIT |
| Up | UP |
| Down | DOWN |
| Select | SELECT |
| Left | LEFT |
| Right | RIGHT |
| Scan- / REW | REW |
| Scan+ / FF | FF |
| Stop | STOP/REC |
| Play | PLAY |
| Pause | PAUSE |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| Enter | ENTER / PH |
| REPEAT | MODE+ |
| A/B REPEAT | SUB+ |
| RANDOM | CENTER+ |
| RETURN | REAR+ |
| TITLE | MODE- |

## DVD COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| TIME | SUB- |
| MEMO | CENTER- |
| AUDIO | REAR- |
| STEP+ | Press SHIFT first, then press CH+ |
| STEP- | Press SHIFT first, then press CH- |
| TOP MENU | Press SHIFT first, then press MENU |
| SETUP | Press SHIFT first, then press GUIDE |
| SEARCH | Press SHIFT first, then press INFO |
| SLOW- | Press SHIFT first, then press REW |
| SLOW+ | Press SHIFT first, then press FF |
| REC | Press SHIFT first, then press STOP/REC |
| ANGLE | Press SHIFT first, then press 1/SLEEP button. |
| SUB ON/OFF | Press SHIFT first, then press 2/6.7CH button. |
| SUBTITLE | Press SHIFT first, then press 3/TEST button. |
| PICTURE | Press SHIFT first, then press 4/THX button. |
| SURR | Press SHIFT first, then press 5/DD button. |
| ZOOM | Press SHIFT first, then press 6/DTS button. |

## AUX - Tape Decks

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| AIWA | 015 071 100 114 |
| CARVER | 006 008 027 024 036 |
| DENON | 105 227 229 |
| FISHER | 064 |
| GOLDSTAR | 011 |
| HARMAN KARDON | 233 |
| JVC | 106 116 239 240 |
| KENWOOD | 005 013 023 026 064 145 146 181 190 |
| LINN | 124 |
| LUXMAN | 035 137 139 |
| MAGNAVOX | 027 |
| MARANTZ | 014 027 056 065 087 |
| MCINTOSH | 238 |
| MITSUBISHI | 242 243 |
| NAD | 029 048 |
| NAKAMICHI | 244 245 025 |
| ONKYO | 002 012 016 017 018 019 115 |
| OPTIMUS | 026 054 055 |
| PANASONIC | 007 010 032 088 195 |
| PHILIPS | 027 087 |
| PIONEER | 003 039 047 050 066 098 222 |
| QUASAR | 007 088 |
| SANSUI | 027 113 119 224 |
| SHARP | 026 057 131 175 181 |
| SHERWOOD | 038 004 028 030 033 034 |
| SONY | 020 022 052 084 089 |
| TEAC | 009 059 212 |
| TECHNICS | 007 010 076 088 109 122 193 |
| TOSHIBA | 112 |
| VICTOR | 106 |
| YAMAHA | 021 026 031 067 040 |

## AUX (continued) - Lighting & Custom Products

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| 3M | 152 |
| AIWA | 164 |
| ARCHER | 155 |
| AURORA MULTIMEDIA | 220 |
| AUTON | 191 |
| CELADON | 221 |
| CRESTRON | 213 214 215 216 217 218 |
| DMX | 156 |
| DRAPER SCREEN | 204 |
| DREAMVISION | 097 |
| DWIN | 080 253 |
| EVERQUEST | 206 |
| EXTRON | 151 |
| FAROUDJA | 184 |
| FUJI | 209 |
| HUNTERDOUGLAS | 219 |
| JERROLD | 153 |
| JVC | 185 |
| KENWOOD | 185 |
| LITE-TOUCH | 208 257 |
| LUTRON | 158 159 077 |
| MAKITA | 186 201 |
| MINDPATH | 205 |
| NILES | 160 187 |
| NSM | 161 |
| PIANO DISC PLUS | 085 |
| POLKAUDIO | 162 |
| RUSSOUND | 081 |
| SCIENTIFIC ATLANTA | 163 156 |
| SIMA | 082 |
| SOLO ELECTRONICS | 207 |
| SOMFY | 078 079 |
| SONY | 164 165 166 |
| STARCOM | 153 |
| TURBOSCAN | 167 |
| VELODYNE | 203 |
| X-10 | 183 093 |
| XANTECH | 168 169 170 171 172 188 189 |

## AUX COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| VOL+ | VOL+ |
| VOL- | VOL- |
| MUTE | MUTE |
| (A)REW | REW |
| (A)FF | FF |
| (A)STOP | STOP/REC |
| (A)PLAY | PLAY |
| (A)PAUSE | PAUSE |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |

## AUX COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| Enter | ENT/PH |
| (B)FF | MODE+ |
| (B)PLAY | SUB+ |
| (B)PLAY BACK | CENTER+ |
| DECK A | REAR+ |
| (B)REW | MODE- |
| (B)STOP | SUB- |
| (B)REC | CENTER- |
| DECK B | REAR- |
| (A)REC | Press SHIFT first, then press STOP/REC |
| (A)PLAY BACK | Press SHIFT first, then press PLAY |
| DIRECTION A | Press SHIFT first, then press REAR+ |
| DIRECTION B | Press SHIFT first, then press REAR- |

## SAT - Satellite Receivers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| ALPHASTAR | 123 |
| AMPLICA | 050 |
| BIRDVIEW | 129 113 051 126 |
| BSR | 053 |
| CABLEVISION / VOOM | 148 |
| CAPETRONICS | 053 |
| CHANNEL MASTER | 013 014 015 018 036 055 |
| CHAPARRAL | 008 009 012 077 |
| CITOH | 054 |
| CURTIS MATHES | 050 |
| DRAKE | 005 006 007 010 011 112 116 141 052 |
| DX ANTENNA | 056 024 046 076 |
| ECHOSTAR / DISH | 122 038 040 057 058 093 094 095 096 097 098 099 100 |
| ELECTROHOME | 089 |
| EUROSAT | 114 |
| EXPRESSVU | 122 |
| FUJITSU | 017 021 022 027 133 134 |
| GENERAL ELECTRIC | 151 106 150 |
| GENERAL INSTRUMENT | 003 004 016 029 031 059 101 148 |
| GOI | 122 |
| HITACHI | 139 140 |
| HOME CABLE | 080 044 029 |
| HOUSTON TRACKER | 033 037 039 104 057 051 |
| HTS | 122 |
| HUGHES | 161 162 068 154 165 166 |
| HYTEK | 053 |
| HYUNDAI | 149 |
| ICR | 023 |
| JANIEL | 147 |
| JVC | 122 |

## SAT (continued) - Satellite Receivers

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| KATHREIN | 108 |
| LEGEND | 057 |
| LUTRON | 132 |
| LUXOR | 144 062 |
| MACOM | 059 010 063 064 065 |
| MAGNAVOX | 136 |
| MARANTZ | 152 153 |
| MEMOREX | 057 136 |
| MITSUBISHI | 068 154 |
| MOTOROLA | 148 |
| NEXT LEVEL | 148 |
| NEXTWAVE | 028 124 125 |
| NORSAT | 069 070 |
| PACE | 143 |
| PANASONIC | 142 160 |
| PANSAT | 121 |
| PAYSAT | 136 |
| PERSONAL CABLE | 117 |
| PHILIPS | 152 153 156 068 154 136 |
| PL | 023 026 |
| PRESIDENT | 019 102 |
| PRIMESTAR | 110 030 |
| PROSAT | 072 |
| PROSCAN | 151 106 150 |
| RADIOSHACK | 148 |
| RCA | 151 106 150 |
| REALISTIC | 043 074 |
| SAMSUNG | 123 155 163 |
| SATELLITE SERVICE | 028 035 047 085 |
| SKY | 164 |
| SONY | 103 |
| STARCAST | 041 |
| STAR CHOICE | 148 |
| SUPERGUIDE | 020 124 125 |
| TEECOM | 023 026 075 087 088 090 107 130 137 |
| TOSHIBA | 127 068 154 157 158 |
| TOWN & COUNTRY | 023 026 |
| UNIDEN | 016 025 042 043 044 045 048 049 078 079 080 086 101 135 136 |
| VIEWSTAR | 115 |
| WINEGARD | 128 146 |
| ZENITH | 159 |

## SAT (continued) - PVR (TiVo, Replay etc.)

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| ECHOSTAR / DISH | 122 |
| HUGHES | 205 207 |
| JVC | 122 |
| PHILIPS | 205 202 207 |
| RCA | 206 |
| REPLAY NETWORKS | 201 |
| SONY | 203 204 |
| TIVO | 202 207 |

## SAT COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| Vol+ | VOL+ |
| Vol- | VOL- |
| Mute | MUTE |
| Ch+ | CH+ |
| Ch- | CH- |
| PREV CH | PREV CH |
| INPUT/ANT | TV/ VCR |
| Menu | MENU |
| Guide | GUIDE |
| Info | INFO |
| Exit | EXIT |
| Up | UP |
| Down | DOWN |
| Select | SELECT |
| Left | LEFT |
| Right | RIGHT |
| REW | REW |
| FF | FF |
| STOP | STOP/REC |
| PLAY | PLAY |
| PAUSE | PAUSE |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| Enter | ENTER / PH |
| FAV | MODE+ |
| SEARCH | SUB+ |
| FETCH | CENTER+ |
| VIDEO | REAR+ |
| ALT AUDIO | MODE- |
| PROGRAM | SUB- |
| HELP | CENTER- |
| INTERACTIVE | REAR- |
| RECORD | Press SHIFT first, then press STOP/REC |

## TV - Televisions, Projectors, Monitors

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| ADMIRAL | 072 081 161 160 |
| ADVENT | 247 |
| AKAI | 197 146 248 |
| A MARK | 112 143 |

## TV (continued) - Televisions, Projectors, Monitors

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| AMPRO | 167 073 157 183 |
| AMSTRAD | 052 |
| ANAM | 043 054 056 080 112 131 |
| AOC | 197 004 112 058 |
| AUDIOVOX | 076 |
| BARCO | 233 |
| BLAUPUNKT | 088 |
| BROKSONIC | 238 |
| CAIRN | 201 |
| CANDLE | 197 002 003 004 |
| CAPEHART | 058 |
| CETRONIC | 043 |
| CITIZEN | 197 002 003 004 043 101 103 143 |
| CLASSIC | 043 |
| CONCERTO | 004 |
| CONTEC | 043 050 051 |
| CORONADO | 143 |
| CRAIG | 043 054 |
| CROWN | 043 143 |
| CURTIS MATHES | 197 101 004 143 |
| CXC | 043 |
| DAEWOO | 004 016 043 044 076 103 114 125 127 143 |
| DAYTRON | 004 143 |
| DREAMVISION | 235 |
| DWIN | 177 257 |
| DYNASTY | 043 |
| DYNATECH | 062 |
| EIKI | 187 |
| ELECTROHOME | 143 024 076 196 |
| EMERSON | 028 048 043 155 005 197 004 047 050 051 076 096 143 151153 154 |
| FISHER | 007 057 |
| FUJITSU | 198 246 |
| FUNAI | 028 043 |
| FUTURETECH | 043 |
| GE | 160 144 165 073 197 008 009 034 056 074 130 155 161 004 091 157 183 |
| GOLDSTAR | 113 116 102 004 106 112 119 127 143 |
| HALL MARK | 004 |
| HITACHI | 011 163 166 004 009 010 012 023 075 143 158 072 |
| INFINITY | 164 |
| INFOCUS | 230 |
| JBL | 164 |
| JCPENNEY | 004 024 197 008 009 030 065 101 143 156 160 |
| JENSEN | 013 |
| JVC | 038 034 070 083 145 199 210 240 241 |
| KEC | 043 |
| KENWOOD | 197 070 |
| KLOSS | 002 059 |
| KMC | 143 |
| KTV | 043 197 143 154 |
| LG | 113 116 102 004 106 112 119 127 143 |
| LODGENET | 072 |
| LOEWE | 164 |
| LOGIK | 072 |
| LUXMAN | 004 |
| LXI | 166 007 015 052 081 160 164 |
| MAGNAVOX | 164 059 197 003 060 061 004 063 064 127 022 160 094 239 256 |

## TV (continued) - Televisions, Projectors, Monitors

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| MARANTZ | 197 164 184 |
| MATSUI | 164 |
| MEMOREX | 007 072 004 |
| METZ | 088 |
| MGA | 197 004 024 028 042 |
| MINERVA | 088 |
| MITSUBISHI | 109 124 024 004 028 040 042 146 191 |
| MTC | 197 004 062 101 |
| NAD | 015 025 |
| NEC | 132 130 134 197 040 016 024 056 019 236 237 |
| NIKEI | 043 |
| ONKING | 043 |
| ONWA | 043 |
| OPTONICA | 019 081 |
| ORION | 096 |
| PANASONIC | 034 056 080 092 164 208 |
| PHILCO | 197 003 059 060 064 164 004 024 056 063 |
| PHILIPS | 164 005 093 038 197 003 004 059 127 184 206 239 |
| PIONEER | 135 025 197 018 023 116 190 234 |
| PORTLAND | 004 143 |
| PROSCAN | 144 160 161 165 167 |
| PROTON | 004 131 058 143 171 173 193 |
| QUASAR | 034 056 092 |
| RADIO SHACK | 019 004 143 043 127 |
| RCA | 160 165 065 156 144 161 197 004 024 056 152 023 074 |
| REALISTIC | 007 019 043 047 |
| ROCTEC | 186 |
| RUNCO | 168 169 178 179 180 181 182 183 073 157 |
| SAMPO | 197 058 004 202 |
| SAMSUNG | 050 089 101 105 004 127 143 160 228 229 |
| SANYO | 166 007 020 053 057 082 187 |
| SCOTT | 028 043 004 048 143 |
| SEARS | 015 030 004 007 028 057 143 094 160 082 165 166 |
| SELECO | 189 200 205 227 |
| SHARP | 081 019 014 170 028 029 004 022 143 175 |
| SIEMENS | 088 |
| SIGNATURE | 072 |
| SOLE | 231 232 |
| SONY | 070 139 147 126 185 194 085 |
| SOUNDESIGN | 028 004 003 043 |
| SPECTRICON | 112 |
| SSS | 004 043 |
| SUPRE MACY | 002 |
| SYLVANIA | 197 003 059 060 063 064 164 044 160 127 |
| TANDY | 081 |
| TATUNG | 056 062 |
| TECHNICS | 034 080 |
| TECHWOOD | 004 |
| TEKNIKA | 002 003 004 024 028 043 072 101 143 |
| TELEFUNKEN | 037 046 086 087 |
| TELERENT | 072 |
| TERA | 172 |
| TMK | 004 |
| TOSHIBA | 002 015 138 030 007 040 062 101 |
| TOTEVISION | 143 |
| UNIVERSAL | 008 009 |

## TV (continued) - Televisions, Projectors, Monitors

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| VIDEO CONCEPTS | 146 |
| VIDIKRON | 174 184 188 192 |
| VIDTECH | 004 |
| WARDS | 004 008 009 019 028 060 061 063 064 072 074 143 164 034 |
| WESTING HOUSE | 076 |
| YAMAHA | 197 004 |
| YORK | 004 |
| YUPITERU | 043 |
| ZENITH | 073 072 095 103 157 183 |
| ZONDA | 112 |

## TV COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| Vol+ | VOL+ |
| Vol- | VOL- |
| Mute | MUTE |
| Ch+ | CH+ |
| Ch- | CH- |
| PREV CH | PREV CH |
| TV/VCR | T/V |
| Menu | MENU |
| CH GUIDE | GUIDE |
| DISPLAY | INFO |
| CANCEL | EXIT |
| Up | UP |
| Down | DOWN |
| Select | SELECT |
| Left | LEFT |
| Right | RIGHT |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| Enter | ENTER / PH |
| PIP ON/OFF | MODE+ |
| PIP SWAP | SUB+ |
| PIP POSITION | CENTER+ |
| PIP CH+ | REAR+ |
| PIP OFF | MODE- |
| PIP SIZE | SUB- |
| PIP FREEZE | CENTER- |
| PIP CH- | REAR- |
| INPUT/ANT | Press SHIFT first, then press TV/VCR |
| CAPTION | Press SHIFT first, then press MENU |

## TV COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| AUTO CH | Press SHIFT first, then press GUIDE |
| CC | Press SHIFT first, then press INFO |
| RESET | Press SHIFT first, then press EXIT |
| ADD | Press SHIFT first, then press UP |
| DELETE | Press SHIFT first, then press DOWN |
| SLEEP | Press SHIFT first, then press 1 /SLEEP |
| ASPECT | Press SHIFT first, then press 2 /6.7 CH |
| RGB Input | Press SHIFT first, then press 3 / TEST |
| COMPONENT | Press SHIFT first, then press 4/ THX |
| MODE | Press SHIFT first, then press 5 / DD |
| WIDE/SIZE | Press SHIFT first, then press 6 / DTS |
| S-VIDEO Input | Press SHIFT first, then press 7 / LOGIC |
| VIDEO1 Input | Press SHIFT first, then press 8 / ST |
| VIDEO2 Input | Press SHIFT first, then press 9 / SURR |

## VCR - Video Cassette Recorders

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| AIWA | 034 161 |
| AKAI | 016 146 043 046 124 125 142 |
| AMPRO | 072 |
| ANAM | 031 |
| AUDIO DYNAMICS | 012 023 039 043 |
| BROOKSONIC | 035 037 129 |
| CANON | 028 031 |
| CAPEHART | 108 |
| CRAIG | 003 040 135 |
| CURTIS MATHES | 031 041 |
| DAEWOO | 111 116 117 119 005 007 010 065 108 110 112 |
| DAYTRON | 108 |
| DBX | 012 023 039 043 |
| DYNATECH | 034 053 |
| ELECTROHOME | 059 |
| EMERSON | 006 029 035 017 025 027 031 034 036 037 046 101 129 131 138 153 162 116 |
| FISHER | 003 010 008 009 |
| FUNAI | 034 |
| GE | 031 072 147 063 107 109 144 |
| GO VIDEO | 132 136 155 040 115 |
| GOLDSTAR | 101 106 114 013 020 012 123 |
| HARMAN KARDON | 012 045 |
| HITACHI | 004 026 150 018 034 043 063 137 160 013 |
| INSTANTREPLAY | 031 |
| JCL | 031 |
| JCPENNEY | 012 013 015 040 066 101 |
| JENSEN | 043 |
| JVC | 048 043 130 150 055 060 012 031 050 152 166 |
| KENWOOD | 014 048 034 047 |
| LG | 101 106 114 013 020 012 123 |
| LLOYD | 034 |
| LXI | 034 003 009 017 106 |
| MAGIN | 040 |
| MAGNAVOX | 067 031 034 068 041 156 164 |
| MARANTZ | 067 069 012 031 156 |
| MARTA | 101 |

## VCR (continued) - Video Cassette Recorders

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| MATSUI | 027 030 |
| MEI | 031 |
| MEMOREX | 101 003 010 014 031 034 053 072 102 134 139 |
| MGA | 045 046 059 |
| MINOLTA | 013 020 |
| MITSUBISHI | 059 061 151 013 020 045 046 051 142 049 168 |
| MTC | 034 040 |
| MULTITECH | 024 034 |
| NEC | 012 023 039 043 048 |
| NORDMENDE | 043 |
| OPTONICA | 053 054 |
| ORION | 025 |
| PANASONIC | 066 070 145 083 133 140 157 163 074 167 |
| PENTAX | 013 020 031 063 |
| PHILCO | 031 034 067 |
| PHILIPS | 031 067 034 101 054 071 156 |
| PILOT | 101 |
| PIONEER | 021 013 048 |
| PORTLAND | 108 |
| PULSAR | 072 |
| QUARTZ | 002 014 |
| QUASAR | 066 145 075 |
| RADIO SHACK | 123 |
| RCA | 107 109 144 147 158 041 145 013 020 140 034 040 |
| REALISTIC | 003 008 010 014 031 034 040 053 054 101 |
| RICO | 058 |
| RUNCO | 148 |
| SALORA | 014 |
| SAMSUNG | 102 104 113 115 112 120 032 040 066 107 109 122 125 |
| SANSUI | 022 043 048 135 |
| SANYO | 003 010 007 014 134 102 |
| SCOTT | 017 037 112 129 131 |
| SEARS | 003 008 010 014 081 013 101 009 017 073 112 |
| SHARP | 149 054 031 159 165 |
| SHINTOM | 024 |
| SIGNATURE | 034 |
| SONY | 056 057 058 077 052 003 078 076 031 149 154 |
| SOUNDESIGN | 034 |
| STS | 013 |
| SYLVANIA | 031 034 059 067 |
| SYMPHONIC | 034 |
| TANDY | 010 034 |
| TATUNG | 039 043 |
| TEAC | 034 039 043 |
| TECHNICS | 031 070 |
| TEKNIKA | 031 019 034 101 |
| THOMAS | 034 |
| TMK | 006 |
| TOSHIBA | 112 131 079 008 059 047 082 013 042 081 |
| TOTEVISION | 040 101 |
| UNITECH | 040 |
| VECTOR RESEARCH | 012 |
| VICTOR | 048 |
| VIDEO CONCEPTS | 012 034 046 141 |
| VIDEOSONIC | 040 |
| WARDS | 003 013 017 024 031 034 040 053 054 131 |

## VCR (continued) - Video Cassette Recorders

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| YAMAHA | 012 034 039 043 |
| ZENITH | 072 080 056 048 101 034 058 |

## VCR COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| Ch+ | CH+ |
| Ch- | CH- |
| PREV CH | PREV CH |
| VCR/TV | TV/VCR |
| Menu | MENU |
| GUIDE | GUIDE |
| DISPLAY | INFO |
| CANCEL | EXIT |
| UP | UP |
| DOWN | DOWN |
| SELECT | SELECT |
| LEFT | LEFT |
| RIGHT | RIGHT |
| Rew | REW |
| FF | FF |
| Stop | STOP/REC |
| Play | PLAY |
| Pause | PAUSE |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| SLOW | MODE+ |
| SLOW+ | SUB+ |
| TRK+ | CENTER+ |
| PROGRAM | REAR+ |
| AUTO TRK | MODE- |
| SLOW- | SUB- |
| TRK- | CENTER- |
| RESET | REAR- |
| INPUT | Press SHIFT first, then press TV/VCR |
| Record | Press SHIFT first, then press STOP/REC |
| X2 PLAY | Press SHIFT first, then press PLAY |
| EJECT | Press SHIFT first, then press PAUSE |
| SLEEP / TIMER | Press SHIFT first, then press 1/SLEEP button. |
| CLOCK/COUNT | Press SHIFT first, then press 2/6.7CH button. |
| RESET | Press SHIFT first, then press 3/TEST button. |
| AUTO CH | Press SHIFT first, then press 4/THX button. |
| F.ADV | Press SHIFT first, then press 5/DD button. |
| VCR PLUS | Press SHIFT first, then press 6/DTS button. |

## VCR COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| INDEX | Press SHIFT first, then press 7/LOGIC button. |
| ADD | Press SHIFT first, then press 8/ST button. |
| DELETE | Press SHIFT first, then press 9/SURR button. |
| TAPE SPEED | Press SHIFT first, then press 0/TAPE2 button. |

## CBL - Cable TV Tuner/Descrambler

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| ABC | 004 103 003 039 042 046 053 |
| AMERICAST | 099 |
| ANTRONIX | 014 |
| ARCHER | 005 007 014 |
| BELL SOUTH | 099 |
| CENTURION | 092 |
| CENTURY | 007 |
| CITIZEN | 007 |
| COMBANO | 080 081 |
| COMSAT | 074 |
| COMTRONICS | 030 |
| COX DIGITAL CABLE | 074 |
| DIGICABLE | 101 |
| EAGLE | 020 030 040 |
| EASTERN | 057 066 |
| ECHOSTAR | 106 |
| ELECTRICORD | 032 |
| GEMINI | 008 054 |
| GENERAL ELECTRIC | 072 |
| GENERAL INSTRUMENT | 103 074 104 |
| GNC | 099 |
| GOLDEN CHANNEL | 030 |
| HAMLIN | 049 050 055 |
| HITACHI | 103 055 |
| JERROLD | 103 002 003 004 008 009 010 069 074 |
| MAGNAVOX | 010 012 064 079 095 094 |
| MEDIA ONE | 107 |
| MEMOREX | 052 |
| MITSUBISHI | 102 |
| M-NET | 037 |
| MOVIE TIME | 028 032 |
| NOVAPLEX | 092 |
| NSC | 015 028 038 071 |
| OAK | 031 037 053 |
| PANASONIC | 044 047 |
| PARAGON | 052 |
| PHILIPS | 006 012 013 020 085 095 |
| PIONEER | 103 034 051 063 076 105 |
| PRUCER | 059 |
| PTS | 011 071 074 |
| PULSAR | 052 |
| RCA | 047 |
| RECOTON | 098 |
| REGAL | 049 050 |
| REGENCY | 057 |
| SAMSUNG | 030 |

## CBL (continued) - Cable TV Tuner/Descrambler

| BRAND | THREE DIGIT SETUP NUMBERS |
|---|---|
| SCIENTIFIC ATLANTA | 003 011 041 042 043 045 046 |
| SIGNAL | 030 |
| SIGNATURE | 103 |
| SL MARX | 030 |
| SONY | 096 108 |
| SPRUCER | 047 078 |
| STARCOM | 002 004 008 009 |
| STARGATE | 008 030 097 104 |
| TADIRAN | 030 |
| TIMELESS | 030 |
| TIME WARNER | 043 |
| TOCOM | 039 040 056 |
| TOSHIBA | 052 |
| UNIKA | 007 014 |
| UNITED CABLE | 004 053 |
| UNIVERSAL | 005 007 014 032 035 |
| VIEWSTAR | 012 015 018 086 087 088 089 |
| ZENITH | 052 060 093 100 |

## CABLE COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| Power/Off | OFF |
| Power/On | ON |
| Vol+ | VOL+ |
| Vol- | VOL- |
| Mute | MUTE |
| Ch+ | CH+ |
| Ch- | CH- |
| LAST | PREV CH |
| BYPASS | T/V |
| Menu | MENU |
| Guide | GUIDE |
| Info | INFO |
| Exit | EXIT |
| UP | UP |
| DOWN | DOWN |
| SELECT | SELECT |
| LEFT | LEFT |
| RIGHT | RIGHT |
| REW | REW |
| FF | FF |
| STOP | STOP/REC |
| PLAY | PLAY |
| PAUSE | PAUSE |
| 1 | 1 /SLEEP |
| 2 | 2 /6.7 CH |
| 3 | 3 / TEST |
| 4 | 4/ THX |
| 5 | 5 / DD |
| 6 | 6 / DTS |
| 7 | 7 / LOGIC |
| 8 | 8 / ST |
| 9 | 9 / SURR |

## CABLE COMMAND LOCATIONS

| COMMAND | BUTTON LOCATION |
|---|---|
| 0 | 0 / TAPE 2 |
| 10 | +10 / VCR 4 |
| Enter/MUSIC | ENTER / PH |
| FAV | MODE+ |
| DAY+ | SUB+ |
| PAGE+ | CENTER+ |
| HELP | REAR+ |
| LOCK / PPV | MODE- |
| DAY- | SUB- |
| PAGE- | CENTER- |
| SETTING | REAR- |
| RECORD | Press SHIFT first, then press STOP/REC. |
| A | Press SHIFT first, then press 1/SLEEP button. |
| B | Press SHIFT first, then press 2/6.7CH button. |
| C | Press SHIFT first, then press 3/TEST button. |

# Frequently Asked Questions

## Why does the display change whenever you press the buttons at the top of the remote?

*The Unifier is actually eight remote controls in one. The LCD display shows you which of your components it is currently set to control. When you press one of the eight DEVICE buttons (those labeled AUDIO, CD, DVD, etc.), the Unifier changes the functions of all of other buttons to control that component.*

## Why does the display flash at me sometimes?

*The Unifier has an extra "hidden" command (usually a power user or hobbyist feature) on some of your buttons. This command is issued instead of the normal command if you press the SHIFT button first. Once you have pressed the SHIFT button, the display will flash for ten seconds. If you press it by accident, you can stop the SHIFT flashing by pressing the SHIFT button or the LIGHT button.*

## Can I program the Unifier on a computer?

*No, the Unifier is only programmed by the methods explained in this manual and the Quick Setup DVD tutorial.*

## What is a "Macro"?

*A "macro" is a very useful way to make a lot of things happen with one button push. For example, in most home theaters to watch television, the user must turn on the TV, then turn on the Cable Box or the Satellite Receiver, then turn on the Surround Sound system for sound. Instead of pressing all of those buttons one at a*

*time, the Unifier enables you to "record" all of them to play back with one button push. For more information on how and why you should program macros, watch the Quick Setup DVD tutorial or read pages 17-18.*

## If the batteries run out, will I lose my settings?

*No. The Unifier stores all of your settings in non-volatile FLASH memory. You could remove the batteries for months, replace them at your convenience and the Unifier would still remember your settings.*

## Who can I call for more answers?

*The Universal Remote Control technical support and customer service staff are ready to answer any questions you might have.*

*Call us at 1-914-835-4484*
*Monday - Friday, 9AM to 6PM (EST)*

# Warranty

The URC-100 is covered against any manufacturers defects or workmanship for a period of one year from the date of purchase if purchased from an authorized Universal Remote Control dealer. Units purchased from online auction sites or other unauthorized resellers have no warranty. This warranty does not cover the following items:

- Damage from misuse, neglect, or acts of nature.
- Products that have been modified or incorporated into other products.
- Products purchased more than 12 months ago.
- Units purchased from unauthorized dealers or companies.

# Specifications

Learning Capability - 424 IR commands at standard frequencies (15kHz to 100kHz)
Macro Capability - 24 Macros of up to 50 steps each
IR Range (Line of Sight via Infrared): 30-50 feet, depending on the environment
RF Range (radio frequency): 50 to 100 feet, depending upon the environment
RF Frequency: 418MHz
Weight: 8 oz. (with batteries)
Size: 9.6″ x 3.75″ x 1″
Batteries: Four AAA Alkaline batteries included
LCD Size: 1.25″ x .5″

UNIVERSAL® remote control
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www.universalremote.com

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